

PROJECT ANALYSIS

FOR

Phantom color guard

BY

Bailey Davis

To design a 50,000 sq ft. Club color guard facility(like club soccer but color guard), for the Phantom Regiment color guard. The facility is to be completely green, with a flat roof to be used as a out door practice place. This structure is to have a brick exterior, and a green roof. The site is located at 2020 northwest hwy, in Arlington Heights. The cost of the structure should not exceed over \$890,000 and must be completed by June 1, 2010.

I. CLIENT DATA

- A. Company Name: Phantom Regiment Drum Core
- B. Owner or Contact Person: Rick Valenzuela
- C. Street Address: 4664 N Rockton Ave
- D. City: Rockford State:IL Zip Code: 61103
- E. Product or Services: creating drill,and picking out music to perform

II. BUILDING SITE DATA

- A. Lot Dimensions: 746.11' X 221' Area: 87,120 sq. ft.
- B. Existing Contours: a flat surface covered in concrete
- C. Existing Landscape: a tree line on the north side of the building
- D. Existing Easements:per city code
- E. Location of Lot (Address): 2020 northwest hwy IL, 60004
- F. Utilities Available:
 - 1. Water Service: Arlington Heights water service
 - 2. Sewer Service : A&J Sewer service
 - 3. Electrical Service: ComEd

4. Natural Gas: Nicor
5. Telephone: Comcast
6. Internet Access: Comcast

III. PERSONNEL DATA & NEEDS

A. Number of Occupants

1. Salaried Employees: 1
2. Hourly Employees: 9
3. Part-time Employees

B. List of Personnel by Position

1. Job Title : Flag Instructor Qty. 5

- a. Responsibilities of Job: To teach either basic, intermediate, or advanced flag techniques. Also, to create routines for performances.
- b. Equipment Needed for Job: Tall flags ,and short flag poles, and practice silks.

2. Job Title Rifle Instructor Qty. 2

- a. Responsibilities of Job : To teach either basic to intermediate, or intermediate to advanced rifle techniques. Also to create routines for performances.
- b. Equipment Needed for Job : 36” and 39” rifles, fingerless gloves, tape and screw drivers.

3. Job Title : Sabre Instructor Qty. 2

- a. Responsibilities of Job : To teach basic to intermediate or intermediate to advanced sabre techniques. Also to create routines for performances.
- b. Equipment Needed for Job: 36” or 39” sabres, fingerless gloves, electrical tape, and padding for sabres.

4. Job Title: Manager Qty. 1

- a. Responsibilities of Job: To make sure that every thing is in order, that all payments are made and to coordinate performance days and such.

- b. Equipment Needed for Job: computers, filing cabinets

IV. CUSTOMER NEEDS

- A. Outside of Building : parking lot, a practice area on the roof
- B. Inside of Building: one or two dance rooms, a big gym with five or six basketball courts.
An outdoor field on the roof.

V. BUILDING DESIGN DATA

- A. Approximate Shape Desired: Rectangle
- B. Maximum Length & Width Allowed
- C. Number of Levels Desired : about 2 floors
- D. Square Footage Desired: about 50,000 sq.ft
- E. Style of Building Desired: Green (environmentally friendly)

VI. BUILDING MATERIALS DESIRED

- A. Exterior Walls: Brick,w/ structural insulated panals
- B. Roofing: green roof
- C. Soffit or Trim
- D. Windows: double glazed with high performance tint
- E. Glazing of Windows: light green or light blue tint
- F. Exterior Doors
- G. Roof Drainage System: green roof
- H. Interior Walls: structural insulated panals
- I. Interior Doors
- J. Interior Trim
- K. Cabinetry
- L. Hardware
- M. Floor Coverings

- N. Wall Coverings
- O. Ceilings
- P. Lighting: Flouresent w/ using solar power

VII. SPACE NEEDS

A. Public Areas (Type & Sq.Ft.)

- 1. big gym, dance rooms
- 2. bathrooms
- 3. waiting room

B. Employee Areas (Type & Sq.Ft.)

- 1. break room
- 2. office
- 3. _____

C. Mechanical Areas (Type & Sq.Ft.)

- 1. security room
- 2. _____
- 3. _____

D. Storage Areas (Type & Sq.Ft.)

- 1. closets
- 2. _____
- 3. _____

VIII. MECHANICAL EQUIPMENT & SPECIAL FEATURES

- A. Heating System:
- B. Cooling System
- C. Electronic Air Cleaner
- D. Water Heater

- E. Humidifier
- F. Dehumidifier
- G. Central Vacuum Cleaner
- H. Intercom System
- I. Security System
- J. Skylights
- K. Atriums

IX. MISCELANEOUS INFORMATION & NOTES